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GOST 2931-45

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FOR OFFICIAL USE ON Muchosefeed-oud CENTRAL INTELLIGENCE AGENCY REPORT INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS CD **COUNTRY** DATE OF INFORMATION Scientific - Chemistry, lubricants, standards SUBJECT HOW DATE DIST. 25 Jan 1952 **PUBLISHED** Pamphlet WHERE **PUBLISHED** Moscow NO. OF PAGES **PUBLISHED** 1945 SUPPLEMENT TO LANGUAGE Russian REPORT NO. THIS IS UNEVALUATED INFORMATION

USSR STANDARD FOR LUBRICANT KV (GOST 2931-45)

(Petroleum Industry B 24)

1. This standard deals with the consistent lubricant intended for lubricating mechanisms operating at low temperatures.

2. Composition of the lubricant

a. Commercial-grade castor oil (OST NKPP 362)

b. Commercial-grade animal fat (GOST 1045-41)
or hydrogenated fat (OST NKPP 439)

c. Commercial-grade sodium hydroxide (caustic soda), Type A or B (GOST 2263-43)

According to estimate for complete saponi-

d. Mineral oil ("Velosite") (GOST 1840-42), vaseline oil (GOST 1665-42), or transformer oil (GOST 982-43)

NOTE: Vaseline and transformer oil must have freezing points not higher than -45° C without addition of substances to lower the freezing point. The transformer oil must have a viscosity, at 50° C, not greater than 1.7 (Engler).

3. The lubricant must satisfy the following physicochemical requirements:

a. Appearance and characteristics: paste-like substance from white to light brown in color.

b. The lubricant, applied in a layer about 1 mm thick on a glass plate, upon inspection over a light source, must be uniform and without clots.

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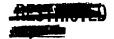
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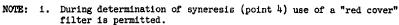
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Physicochemical Properties		Values	Test Method
1.	Penetration (Richardson) at 25°C, within	275-325	OST NKTP 7872/2292, M.I. 6a-36
2.	Penetration at low temperatures:		GOST 2757-44
	At -10° C, not less than	130	
	At -50° C, not less than	45	
3.	Drop point (Ubbelohde), ot lower than	120° C	OST NKTP 7872/2292, M.I. 7zh-36
4.	Syneresis at 50° C, not greater than	64	GOST 2633-44
5.	Preservative-property test on steel plates (layer of lubri- cant 0.2 mm thick)	Withstands one test cycle	GOST 2926-45
6.	Content of free alkali, not more than	0.1%	OST MKTP 7872/2292, M.I. 25k-37
7.	Content of free acid	None)	
8.	Mechanical impurities	None	OST NKTP 7872/2292, M.I. 191-37
Wate	er content, not more than	c.2%	GOST 1044-41



- Preservative property test (point 5) is carried out on steel plates, Types 40, 45, 50, and those similar to them (GOS" 8-1050-41).
- iii. Absence of mechanical impurities is guaranteed by the manufacturing plant.
- 4. Packing, labeling, storage, transport, and inspection of the lubricant are carried out in accordance with GOST 1510-45.
- 5. Selection of samples of lubricant is carried out in accordance with GOST 2517-44. One kg of lubricant is set aside for control samples.

Proposed by People's Commissariat of Petroleum Industry USSR

Approved by the All-Union Committee on Standards 16 July 1945.

Effective 1 October 1945.

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